監控錄影設備專門店

http://www.CAM62.com

CA101 / CA111 / VI8908 / VI8908W

IP Wireless / Wired Camera

REMOTE PAN / TILT ROTATE

User Manual

CA101 CA111 VI8908 VI8908W

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1 WELCOME

This model IP Camera is an integrated wireless IP Camera solution. It combines a high quality digital Video Camera with network connectivity and a powerful web server to bring clear to your Desktop from anywhere on your local network or over the Internet.

The basic function of it is transmitting remote video on IP network. The high Quality video image can be transmitted with 30fps speed on the LAN/WAN by using MJPEG hardware compression technology.

This is based on the TCP/IP standard. There is a WEB server inside which could Support Internet Explore. Therefore the management and maintenance of your device become more simply by using network to achieve the remote configuration, start-up and upgrade firmware.

You can use this IP CAMERA to monitor some special places such as your home and your office. Also controlling and managing images are simple by clicking the website through The network.

NOTE: you can use the IP Camera Step by Step .

Features

- Powerful high-speed video protocol processor
- High-sensitivity 1/4 CMOS sensor
- Picture Total 300k Pixels
- Video Frame Rate:30fps(QVGA), 30fps(VGA)
- Resolution:640 x 480(VGA), 320 x 240(QVGA)
- Light Frequency:50Hz, 60Hz or Outdoor
- Optimized MJPEG video compression for transmission
- Multi-level users management and passwords definition
- Embedded Web Server for users to visit by IE
- Support wireless network (WiFi/802.11/b/g)mobile
- Supporting Dynamic IP(DDNS)and UPNP LAN and Internet(ADSL, Cable Modem)
- Giving alarm in cause of motion detection
- Supporting image snapshot
- Support multiple network protocols：HTTP，TCP/IP，UDP，STMP，DDNS，SNTP，DHCP，FTP
- Support remote system update

Advanced Features

Multi-Protocol support and Transportation

IP CAMERA supports Multi-Protocol such as TCP/IP, SMTP and HTTP. Sending the image to your mailbox automatically when the IP CAMERA is triggered.

Video Image PTZ function

Users can control the camera direction on the video image.

Motion Detection

Your may use the internal Motion Detection function or external sensor to trigger images Recording and transportation. Alarm sensor input/output.

The detection sensor sends an alarm and records by itself when there is a fire or accident. A message as an email is sending to you by this sensor,(The input/output discreteness can be chosen)

DDNS support

Using it in the condition which including ADSL and IP change often is more convenient, because IP CAMERA provides dynamic DNS function.

Advanced User Management

Only allowing authorized users access to real-time images of IP Camera.

1.2 Packing List

Untie the packing and checking the items contained against the following list;

- Wireless IP Camera 1
- Wi-Fi Antenna 1
- DC Power Supply 1
- Network Cable 1
- Mounting bracket 1

NOTE: Contact us immediately in the case of any damaged or short of contents.

1.3 Product views

1 **Infrared LED**
2 **LENS CMOS sensor with fixed focus lens.**
3 **Network Indicator LED**
4 **Mic**
5 **Antenna**
6 **LAN: RJ-45/10-100 Base T**
7 **DC5V: Power supply**

RESET BUTTON: press and hold down the RESET BUTTON for 5 Seconds .Release the power button and IP Camera will be reset back to the factory default Parameter.

1.4 PC System Requirements

System configuration requirements :(Example for view four IP Camera)
CPU: 2.06GHZ or above Memory: 256M or above
Network Card: 10M or above Display Card:64M or above memory
Recommendable Operating system: Window2000 or Window XP or Vista

1.5 Hardware Instruction

Follow the steps below to set up your camera hardware. Make sure to follow each step carefully to ensure that the camera operates properly

1) Plug the network cable into the camera and then into your Cable/DSL router.

2) Plug the power adapter into the camera and then into the power outlet.

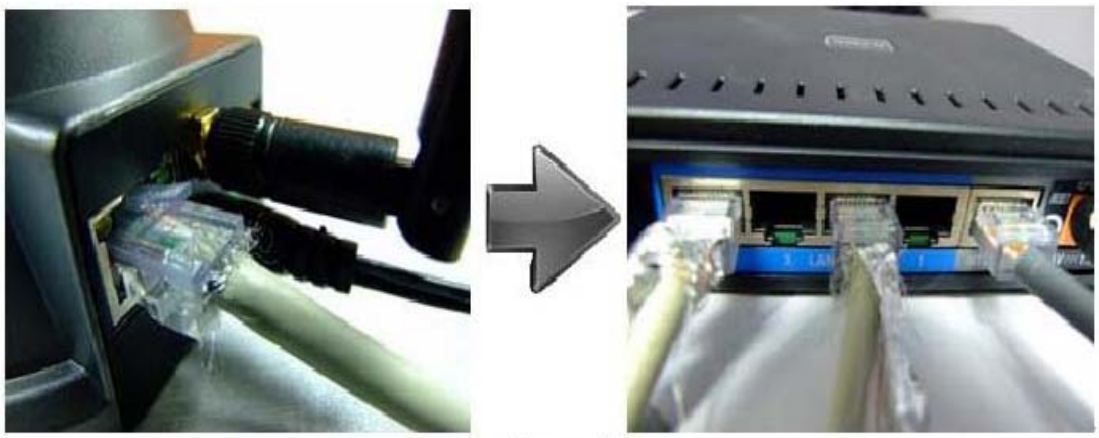


Figure 1.3

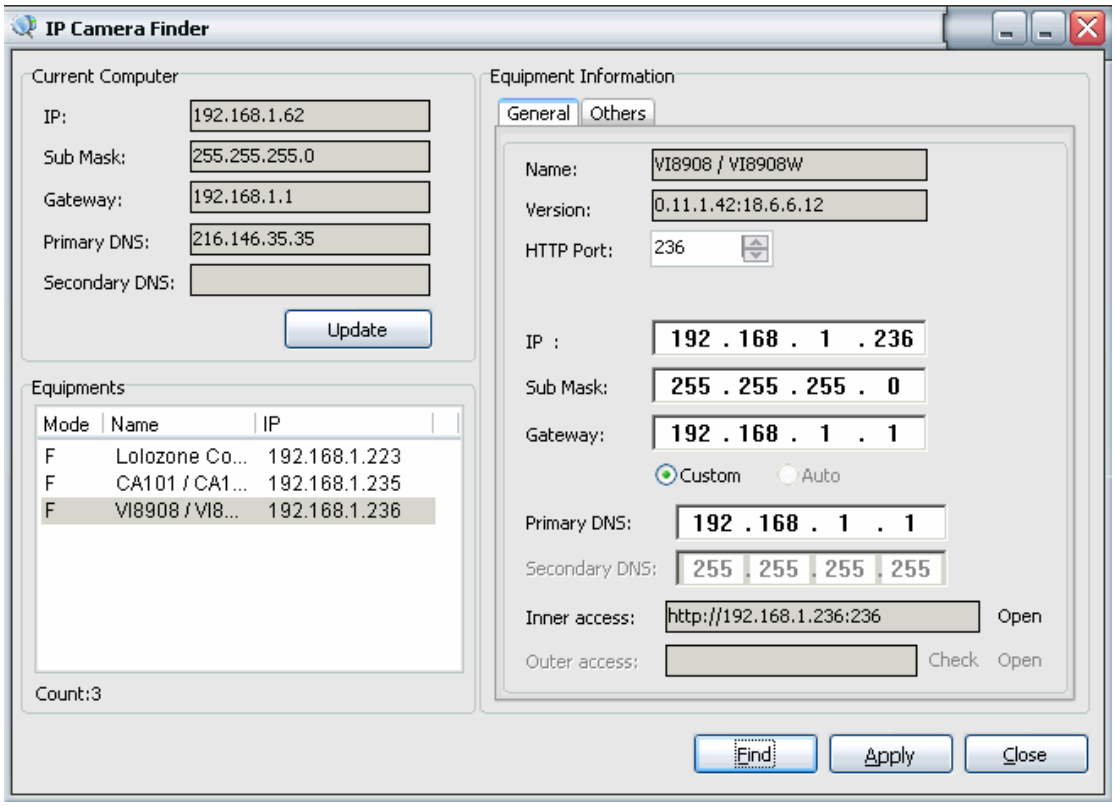
1 SOFTWARE OPERATION SETTING

2.1 IP Camera DevFind Tool

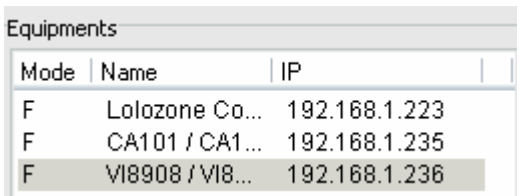
Software Download Site：http://www.cam62.com/article.php?id=73

When the Device has been mounted properly, you can double click the Icon “IP Camera DevFind Tool”

and a dialog box as will pop up.



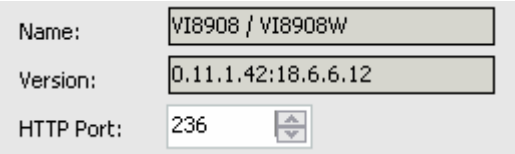
Note: The software searches IP Servers automatically over LAN.
There are 3 cases:
1. No IP Cameras found within LAN. After about 1 minute search, the Result Field will show “not found IP Server” and the program shut automatically.
2. IP Cameras have been installed within LAN. All the IP Cameras will be listed and the total number is displayed in the result field as shown in



3. The IP Cameras installed within LAN do not share the same subnet with the monitoring PC. A prompt as shown in result field (prompt: Subnet doesn't match, double click to change!).
Click the left mouse button to choose the prompt and click the right mouse, choose **Network Configuration** to set the IP address of the Camera to the same subnet as LAN.

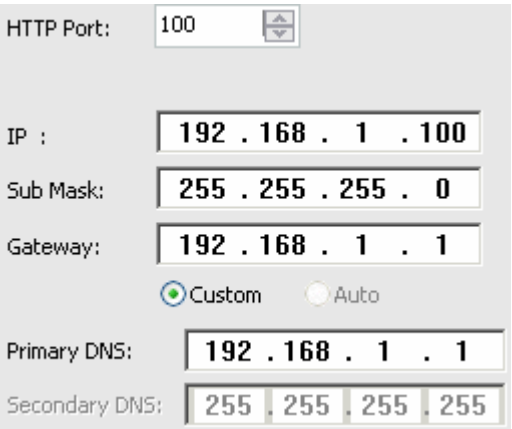
- **Basic Properties**

There are some device information in the Basic Properties, such as **Device ID,System Firmware Version, Web UI Version.**



- **Network Configuration**

In this page, you can configure the Network parameter.



IP : Fill in the IP address assigned and make sure it is in the same subnet as the gateway (i.e. the first three sections are the same)
Sub Mask: The default subnet mask of the equipment is: 255.255.255.0
Gateway: Make sure it is in the same subnet with PC IP address .Default Gateway address is 192.168.1.1
DNS: IP address of IPS network provider.
HTTP Port: LAN port assigned for the equipment, usually 100
User & Password: Default administrator Username:**admin** No Password
Enable **Using DHCP** the system will assign a reasonable IP address for your equipment. Only if your gateway supports DHCP (It is the case with most gateways).
NOTE: When the prompt "subnet doesn't match, double click to change!" please set the IP Camera IP address once again.

2.2 Camera Login

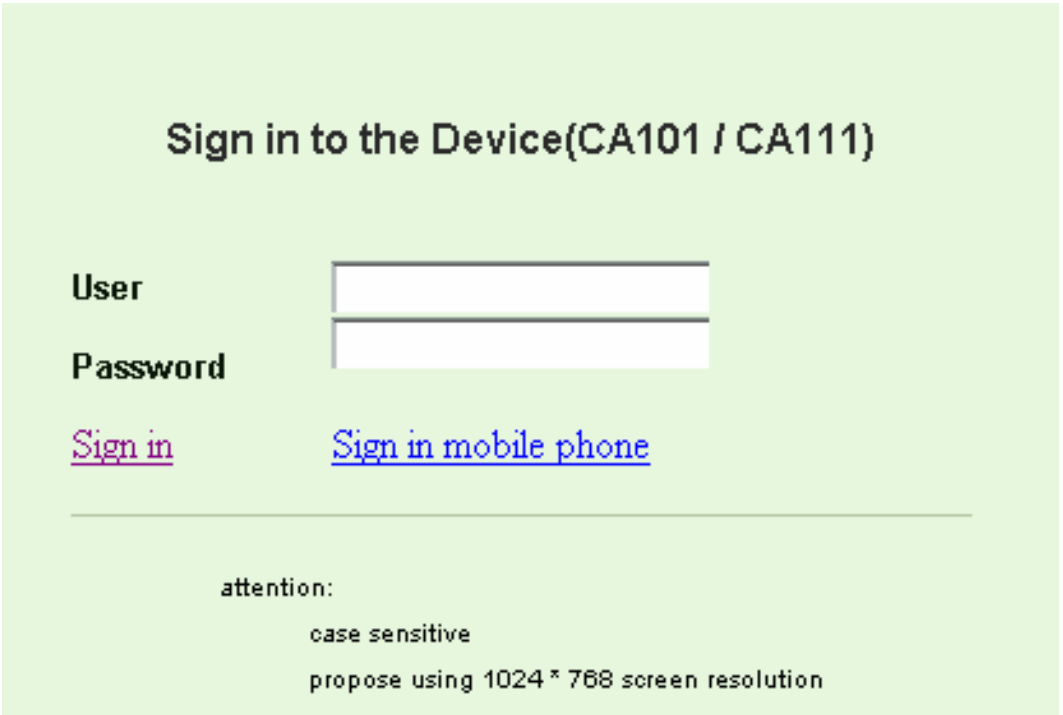
You can access the camera through IP Camera Tool or IE directly.

1) Double click the IP address of the IP Camera listed.

2) To access the camera ,start your web browser and type in the camera's IP address

Such as http://192.168.1.100:100

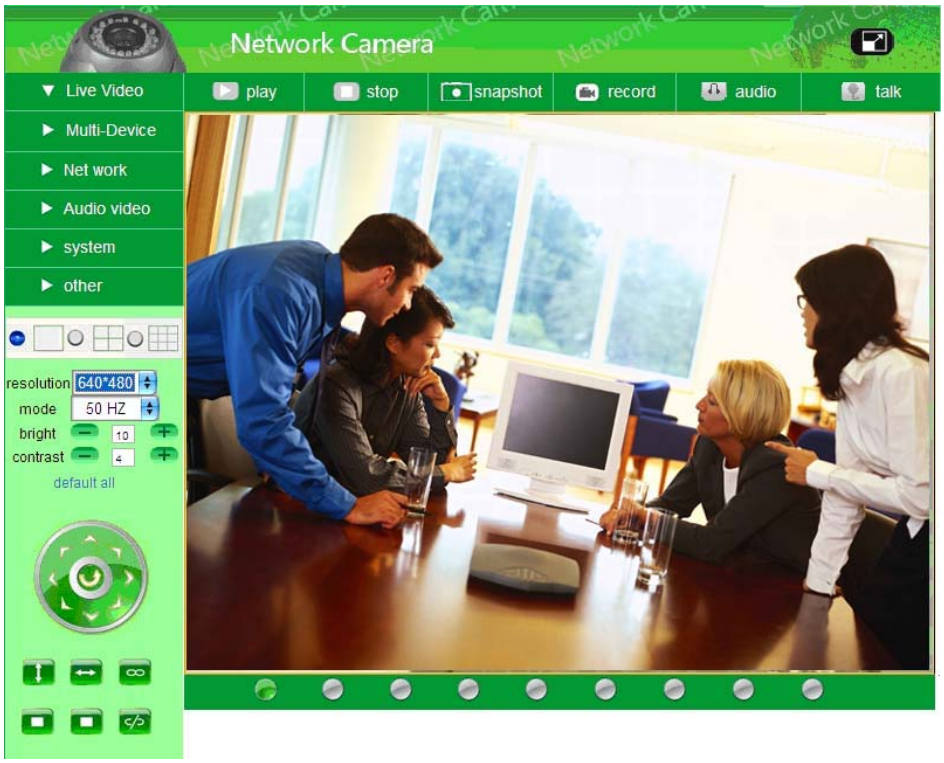
3) The Camera Login page pop-up.



Enter your account and password on the login page as shown in By default, Administrator's Username:**admin** No Password Click "**Sign in**" to enter the monitoring page. You can set the username and password as Administrator, Operator or Visitor.

2.3 For Visitor

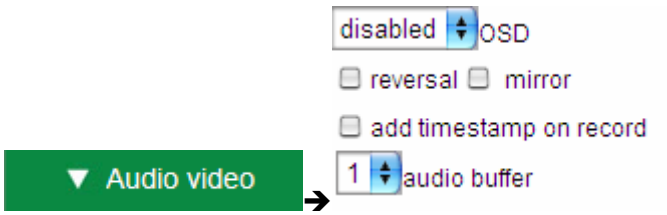
The status of 9 routes, as shown below.



For example: if is bright, the first route is on Detection (Motion Detection).

If you want to detect 4 views, need to click this icon

If you want to detect 9 views, need to click this icon



OSD: Display date and time on the video .You can disable the OSD function or choice Other color, (OSD: on-screen display)

Reversal: To see the reversal image

Mirror: To see the mirror image.

Add time stamp on record: Increase the video time stamp

PLAY: Click icon into play mode, is stop.

Snapshot: Click icon to snap the picture.

AUDIO: Click icon

Camera MIC open, Local Voice input

TALK: Click icon

Camera Speaker open, Remote Voice Output

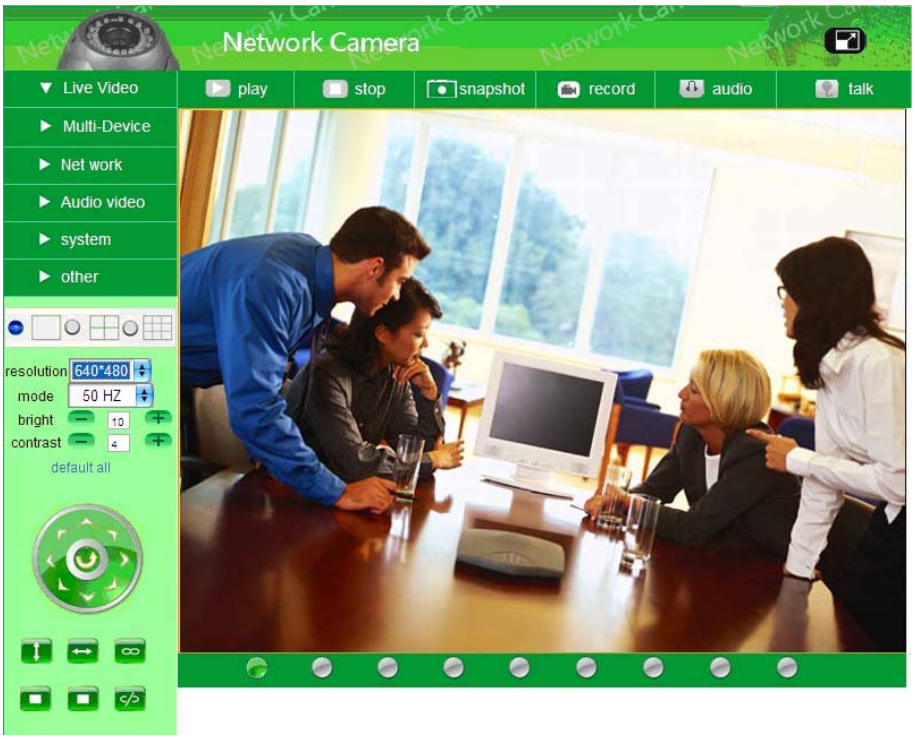
RECORD: Click icon

into REC mode,

is stop.

2.4 For operator

When login as operator administrator, you can enter the IP Camera For Operator



Vertical patrol

Horizontal patrol

Stop patrol

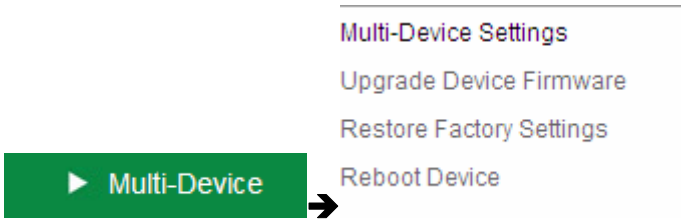
IO output Switch on/off. (See 2.5.5 for more informations)

Resolution: VGA (640*480) / QVGA (320*240)
Work mode: 50Hz/60Hz/Outdoor
Color parameter: Click + or − can adjust the brightness and contrast
Image PTZ function: Image PTZ function is recommended, you can control the camera Direction on the video image. Double click the right mouse on the image to enable PTZ and you can see a white arrow on the video image, click left mouse to control direction. If want to cancel, double click right mouse again.

2.5 For Administrator

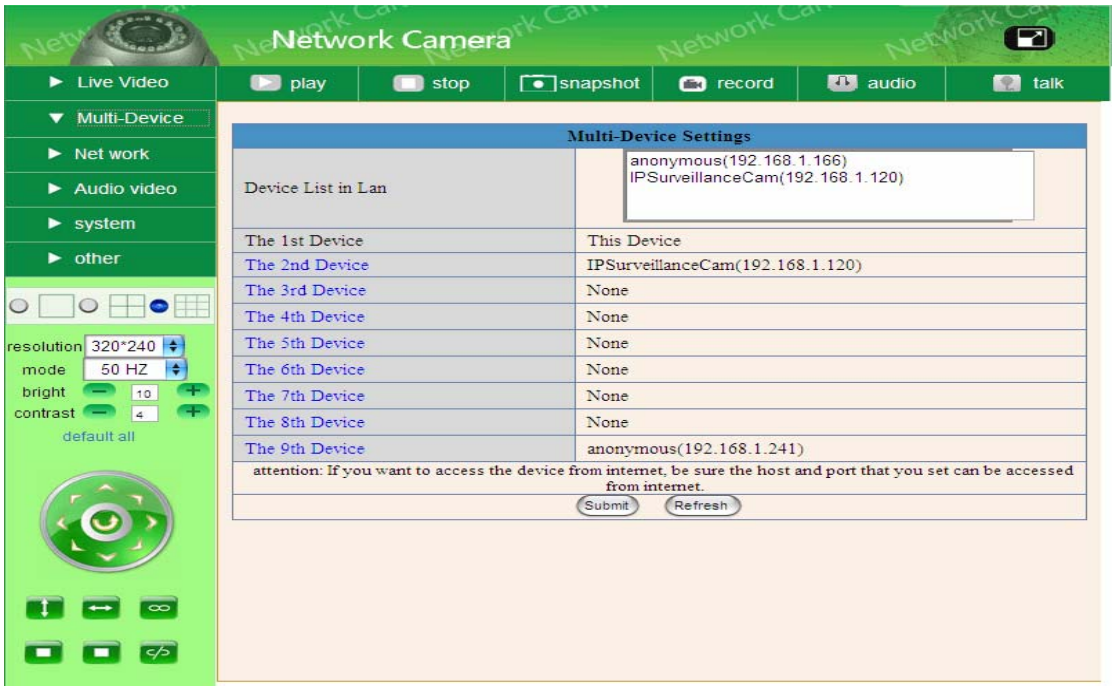
When you login as administrator, "**For Administrator**" is enabled.

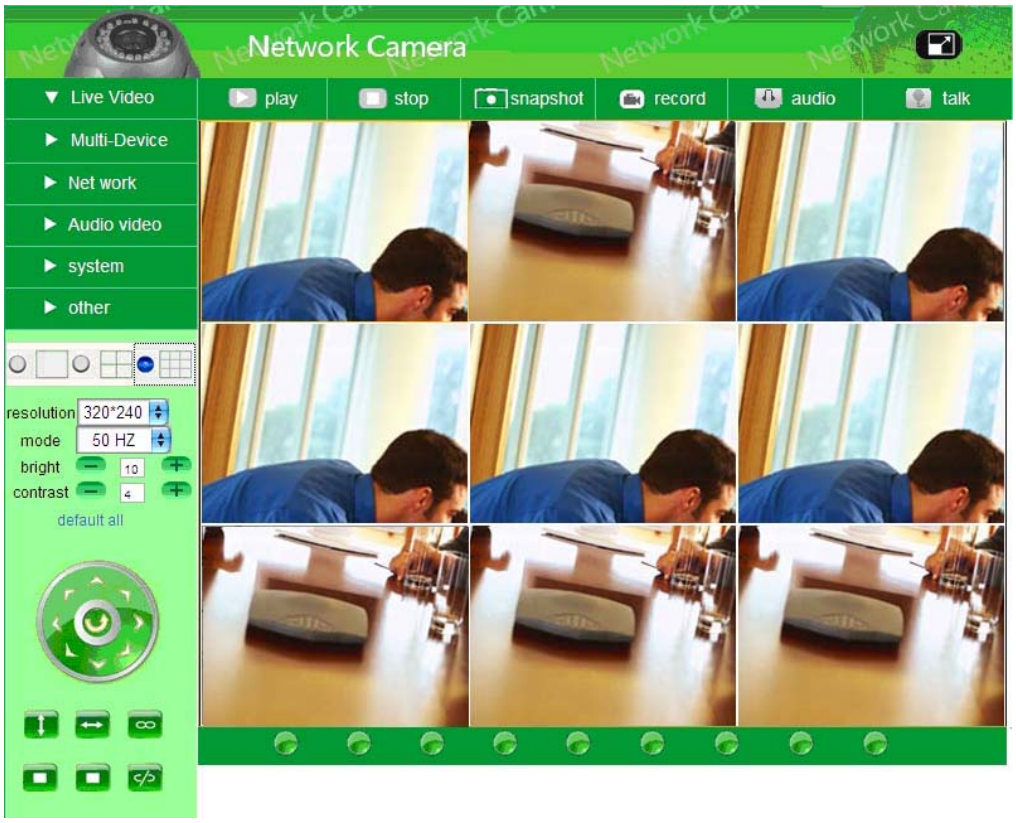
Multi-Device Settings



- Use multiple cameras in LAN

In the Multi-Device Settings page, you can see all devices searched in LAN. The 1st Device is this device default. You can add more cameras list in LAN for monitoring .This Web software Supports up to 9 IP Cameras online simultaneously.





- Use multiple cameras with a single IP address

In the Multi-Device Settings page .You can use multiple camera with a single IP address by configuring different ports for each camera .By default, the Device uses port 100 for accessing the camera's homepage and video streaming.

Adding a second camera:

If you decide to add a second IP camera, you will need to change the port number for the second camera.

Camera#2: LAN IP address is 192.168.1.101-Port 101

Will be forwarded to: http://192.168.1.101:101

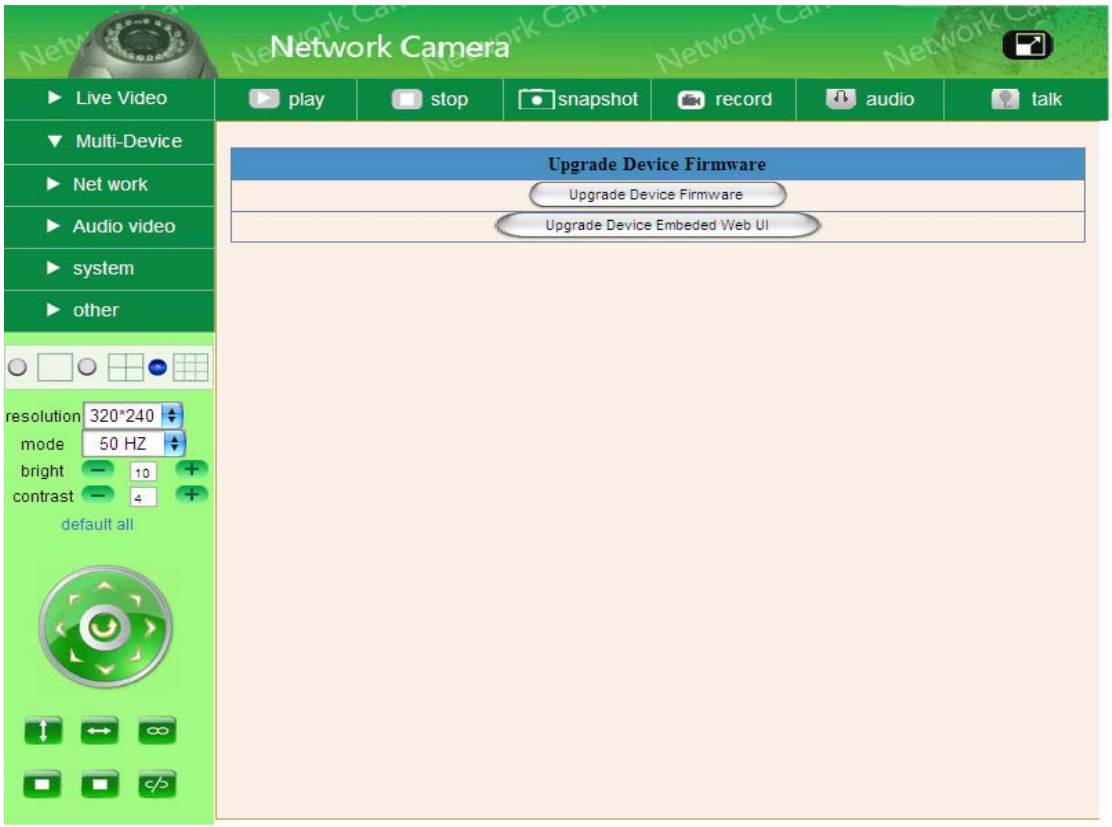
Note that Camera #2 has a different IP address and a different port number. The LAN IP address is assigned by the router, but the port number is not one you will need to configure the port number. Once you have changed the port number for the camera and the settings in your router, you can access the second camera from the Internet by http://192.168.1.101:101

Adding more cameras:

If you decide to add more cameras, you will need to change the port number for the other cameras, such as 101,102,103. To access these cameras from the Internet, you would use: http://192.168.1.102:102

- Upgrade Device Firmware

  Upgrade Device Firmware and device embedded web UI software in this page.



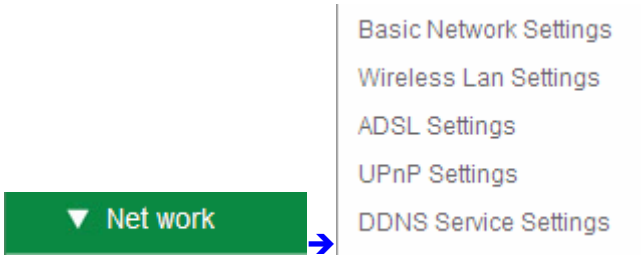
- Restore Factory Settings

  Restore factory settings of the device.

- Reboot Device

  Reboot the device.

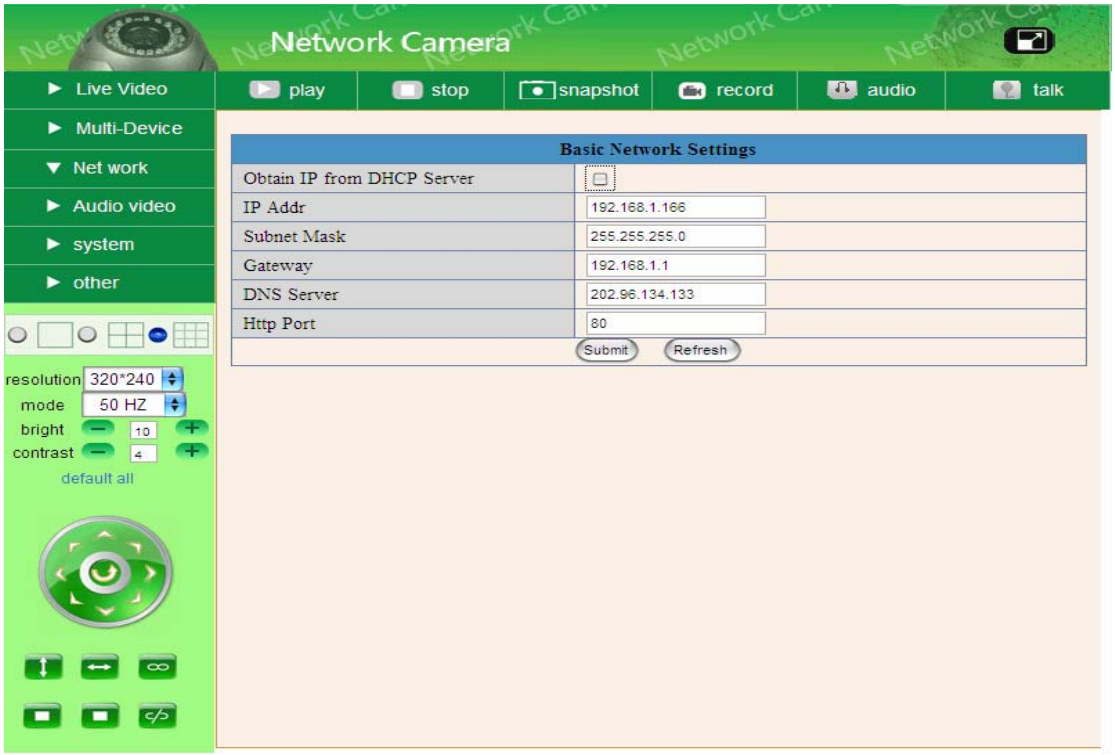
2.5.1 Network Settings



- Basic Network Settings

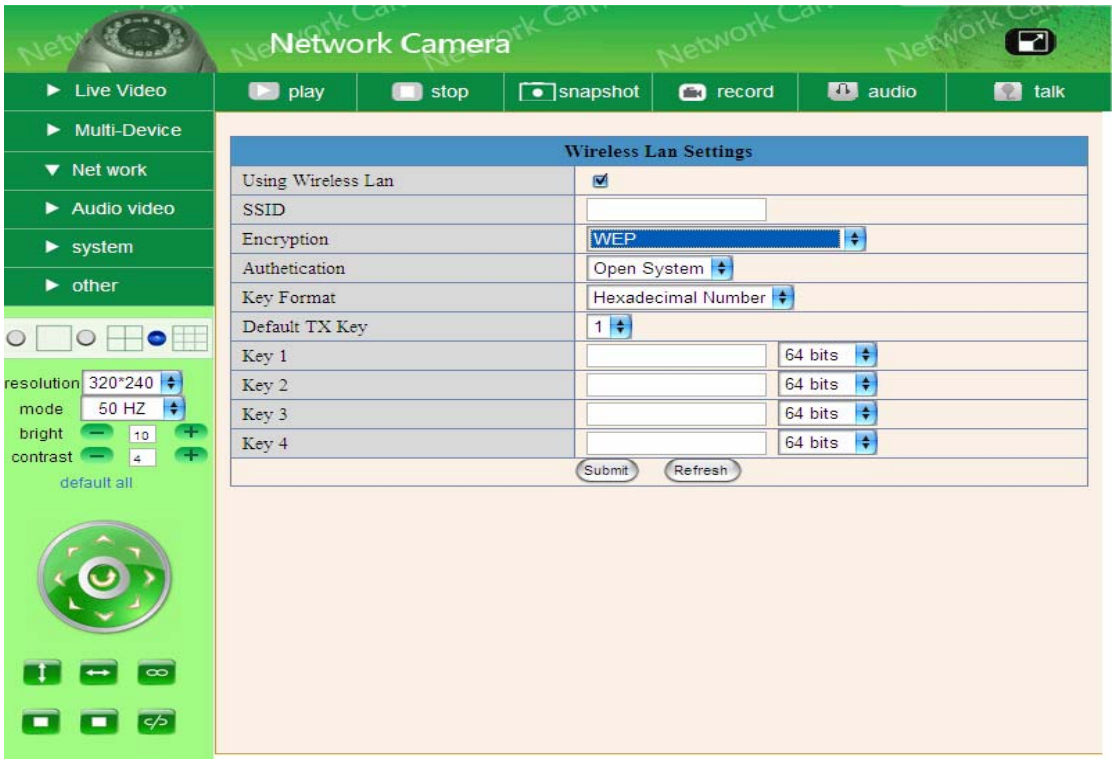
If the router and the IP camera connect has DHCP function, you can choose “Obtain IP from DHCP Server” else fill in the network parameters manually.

Http Port: In most cases, you can leave this value as however, if your Internet Service Provider blocks this port, you may switch to another port number such as 85.



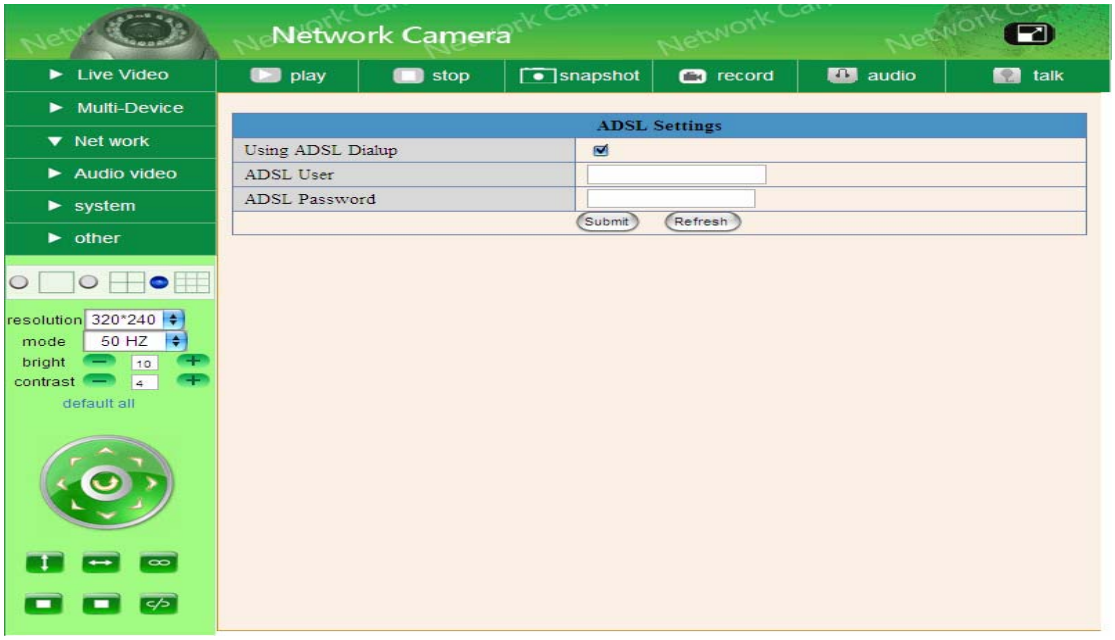
- Wireless Lan Settings

Please enter the wireless net setting page of the wireless Router to out SSID, Channel, Encryption, Authentication.



- ADSL Settings

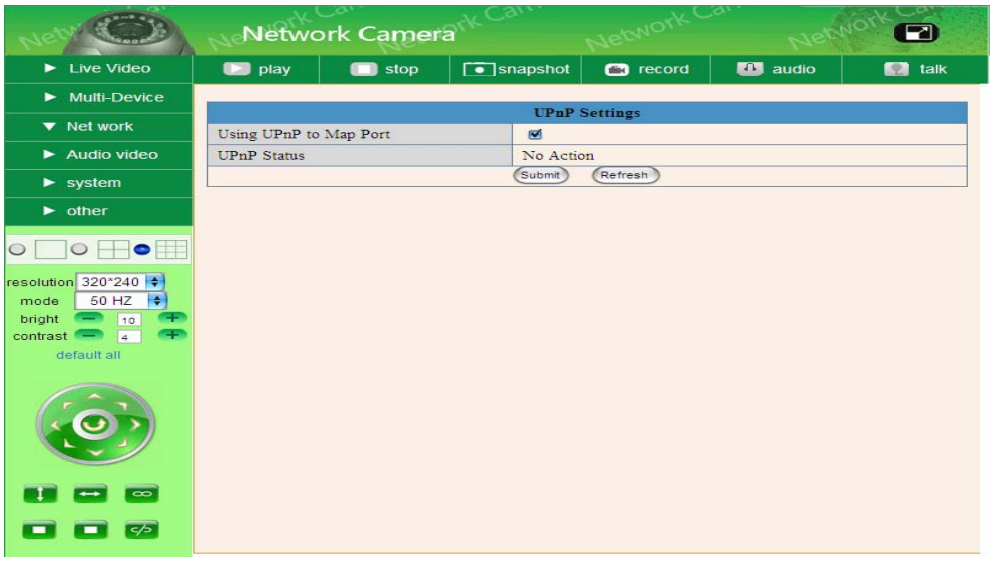
When connected to the Internet through ADSL directly, you can enter the ADSL username And password obtained from ISP.



- UPNP Settings

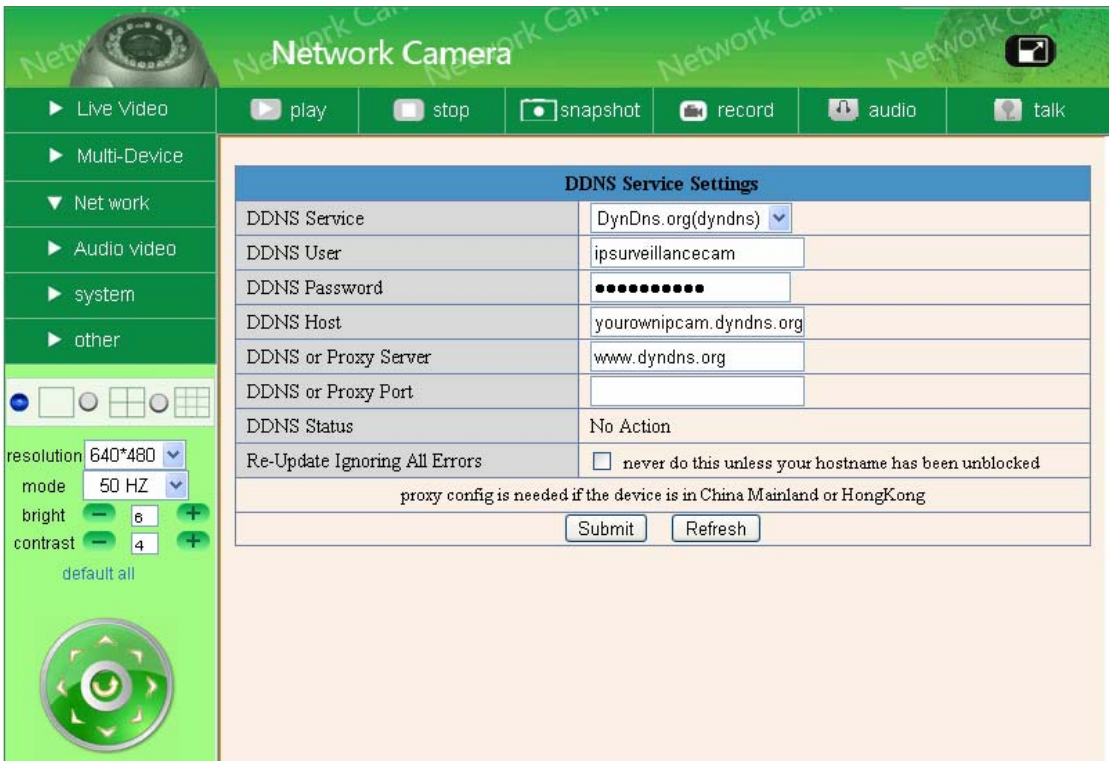
If you access IP Camera, to be make sure **UPNP Status** is Succeed.

UPNP Protocol settings, as Figure below:

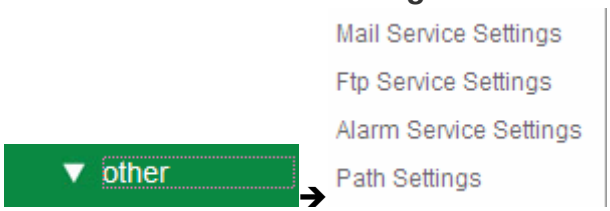


2.5.2 DDNS Service Settings

DDNS Service: The system support protocols from some DDNS providers: Dyndns.org.
User and Password: the user name and password used when applying for the domain name.
DDNS Host: the Domain Name
DDNS or Proxy port: If you access the DDNS host through a proxy, you should input the Proxy IP
DDNS or Proxy Port: Proxy Port



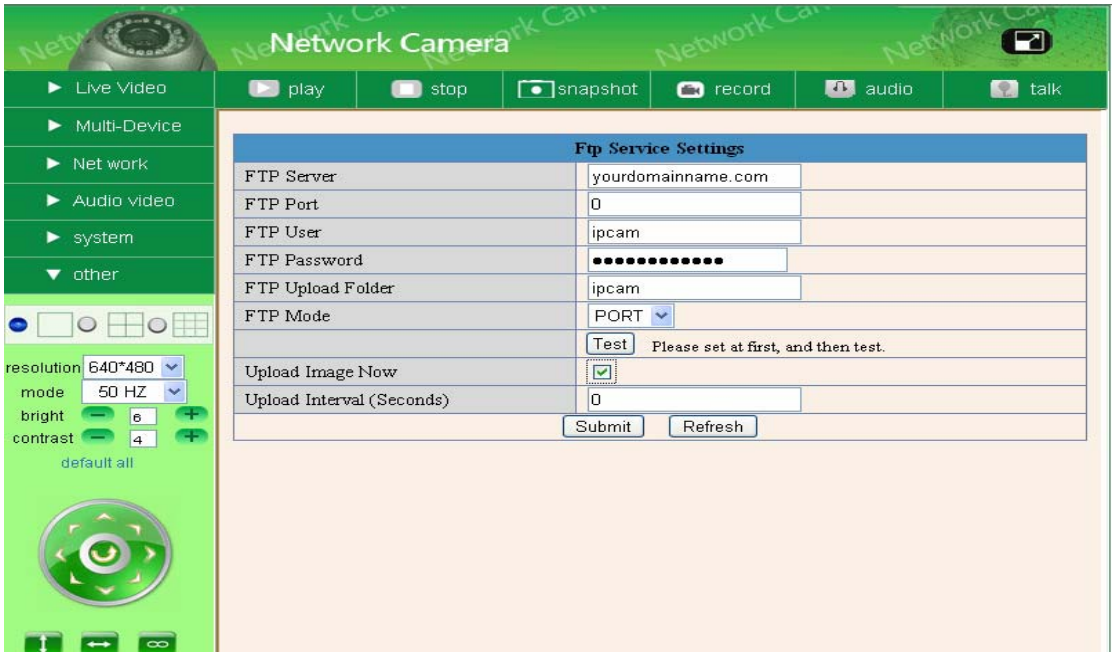
2.5.3 Other Service Settings



Configure the E-mail box to receive and send mails. The E-mail box is used for receiving the images sent after alarm and the system IP address after successful dial-up.

Mail Service Settings

Settings the FTP Service:



- Alarm Service Settings

Enter Alarm Service Settings page to configure Motion Detection function.

Motion Detect Armed

When you enable motion detect armed, the camera can be triggered to send email alerts sound you will hear.

Motion Detect Sensibility

You can choice High, Medium, Low

I/O PINS: 1 Output (+5V) 2 Output 3 Alarm input 4 Input (GND)

Alarm Input Armed

Input pins: The input pins can be used for 1-way external sensor input For example; you may connect a person Infrared Sensor (PIP) to it for motion detection. When external sensor triggered,

IP CAMERA can be programmed to send an email with picture or control the internal relay output.

If you link an external alarm with Pin3 and Pin4, when enable alarm input armed ,external alarm is enabled

IO Linkage on Alarm

Enable IO linkage on alarm, Pin 1 will output +5V when alarm triggered, and output LOW when alarm release automatically.

Switch on/off buttons control Pin1 output manually.

Send Mail on Alarm

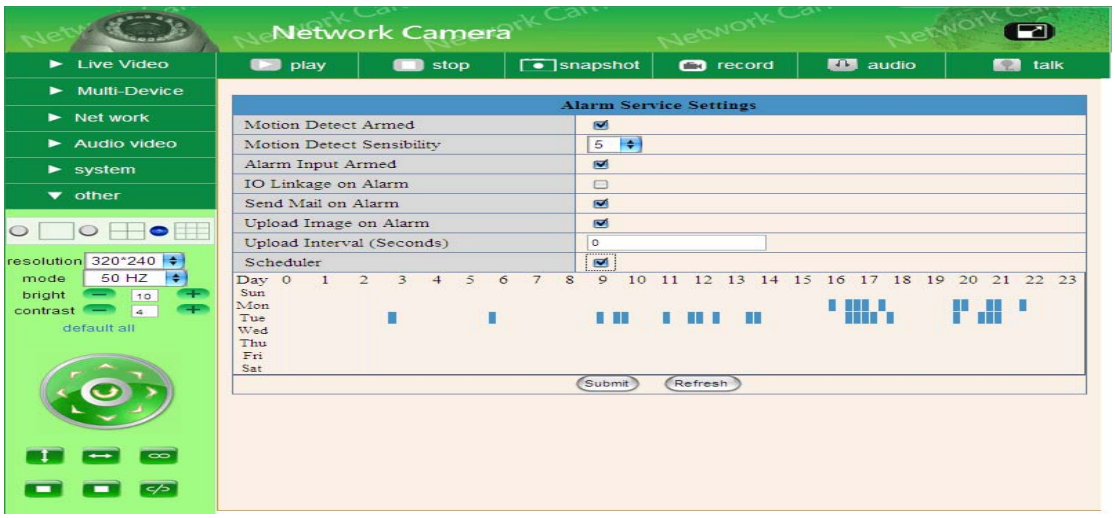
Sent picture and mail inform to customer's e-mail after alarmed. (Firstly you should finish the Mail Service Settings.)

Upload Image on Alarm

Enable upload image on alarm and set upload interval (Seconds).

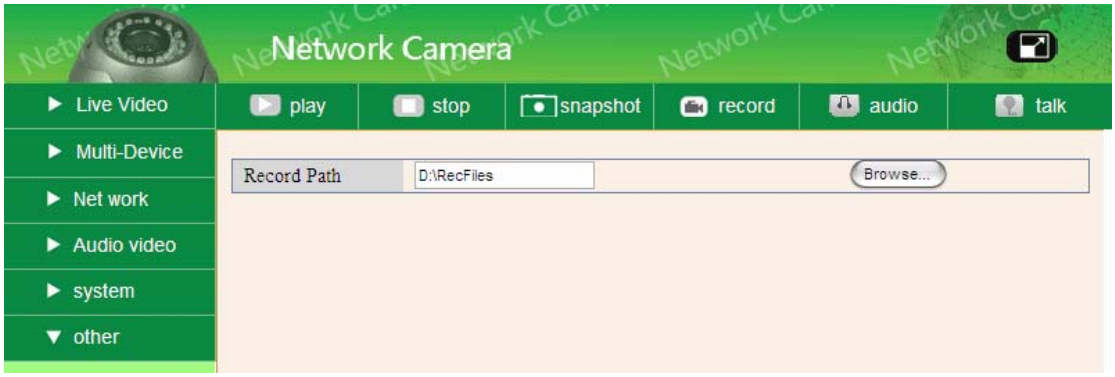
REC automatically and save to PC

When you enable motion detect and open the camera monitoring page on the PC. If there is an alarm triggered, REC will start automatically for several seconds and save to the PC.



- Path Settings

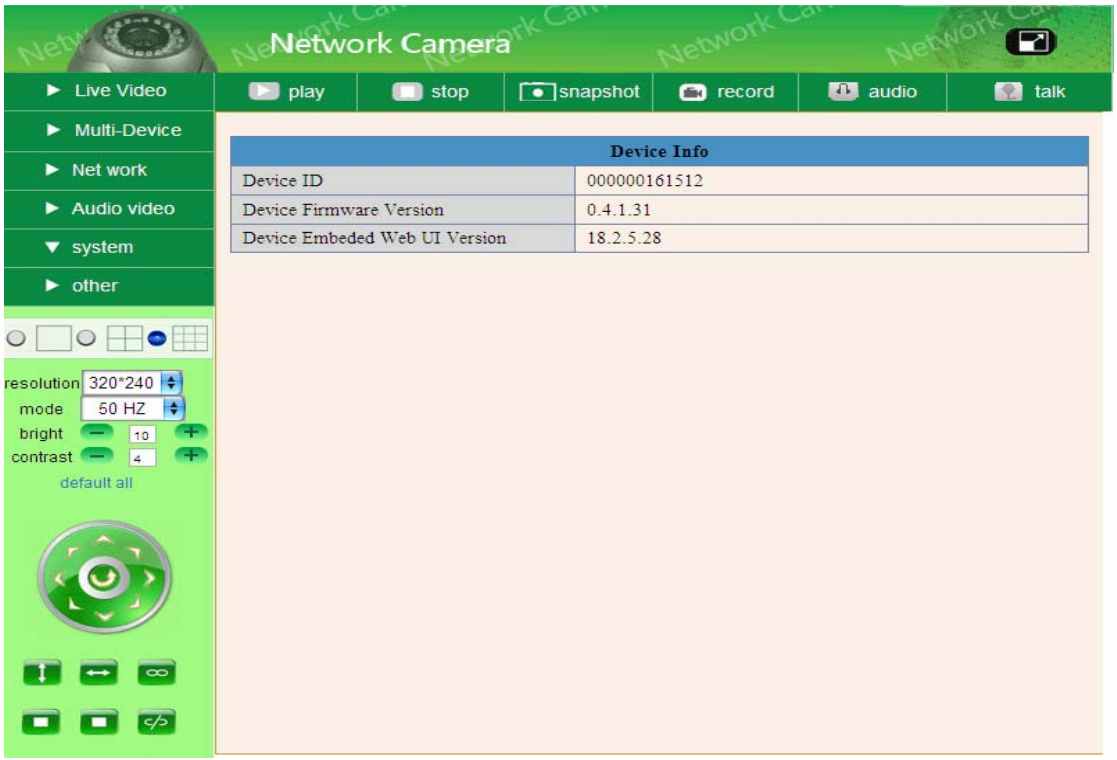
Setting the path of preserve video, when start record video, click record, and the video file will be preserved in the specified directory Record Path. As below figure:



2.5.4 System

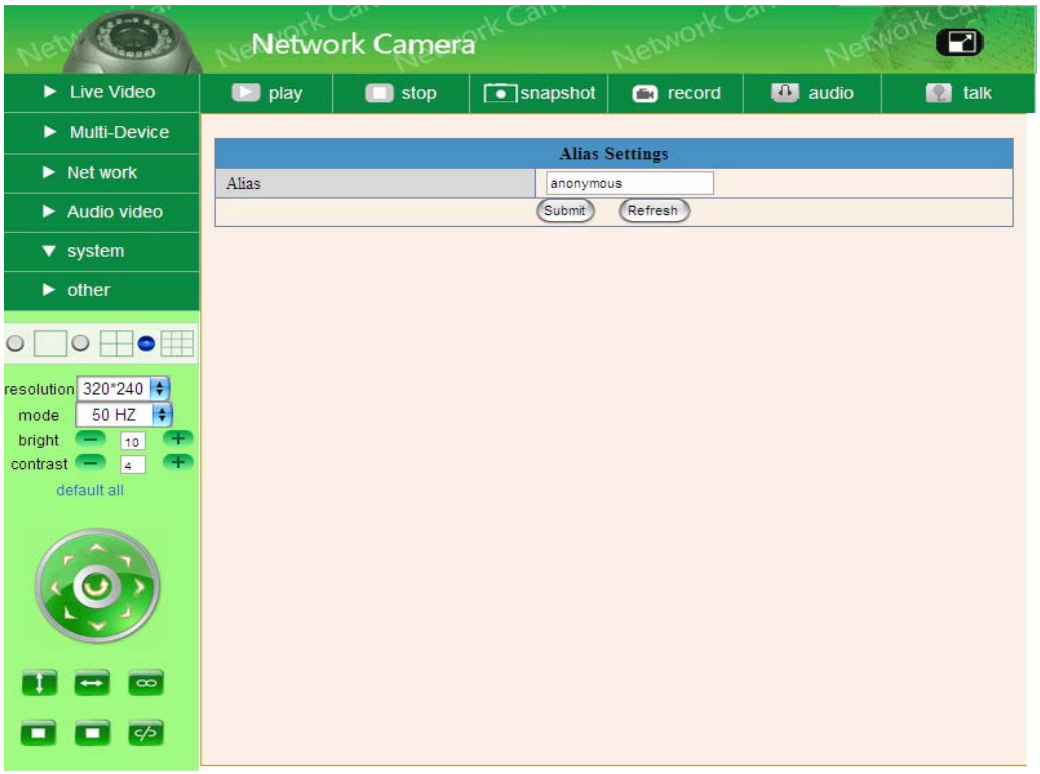
- Device Info

You can find the information about Device ID, Firmware Version and **Embedded Web** UI Version.



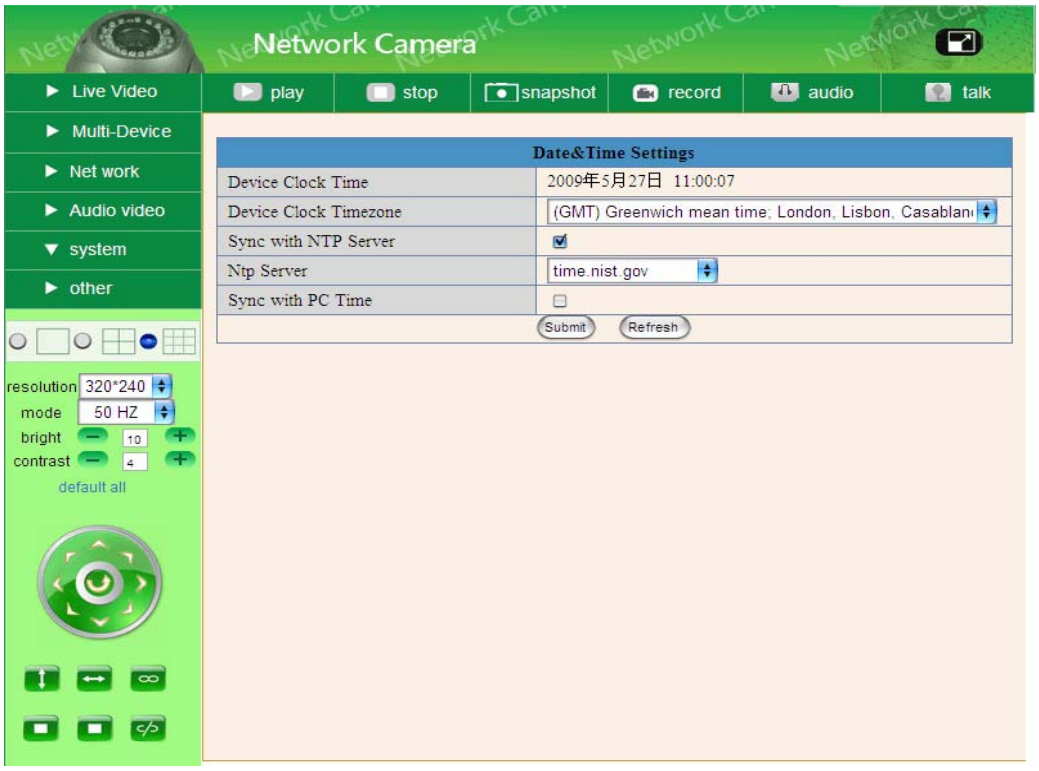
- Alias Settings

You can Input the new name as you like.



- Date &Time Settings

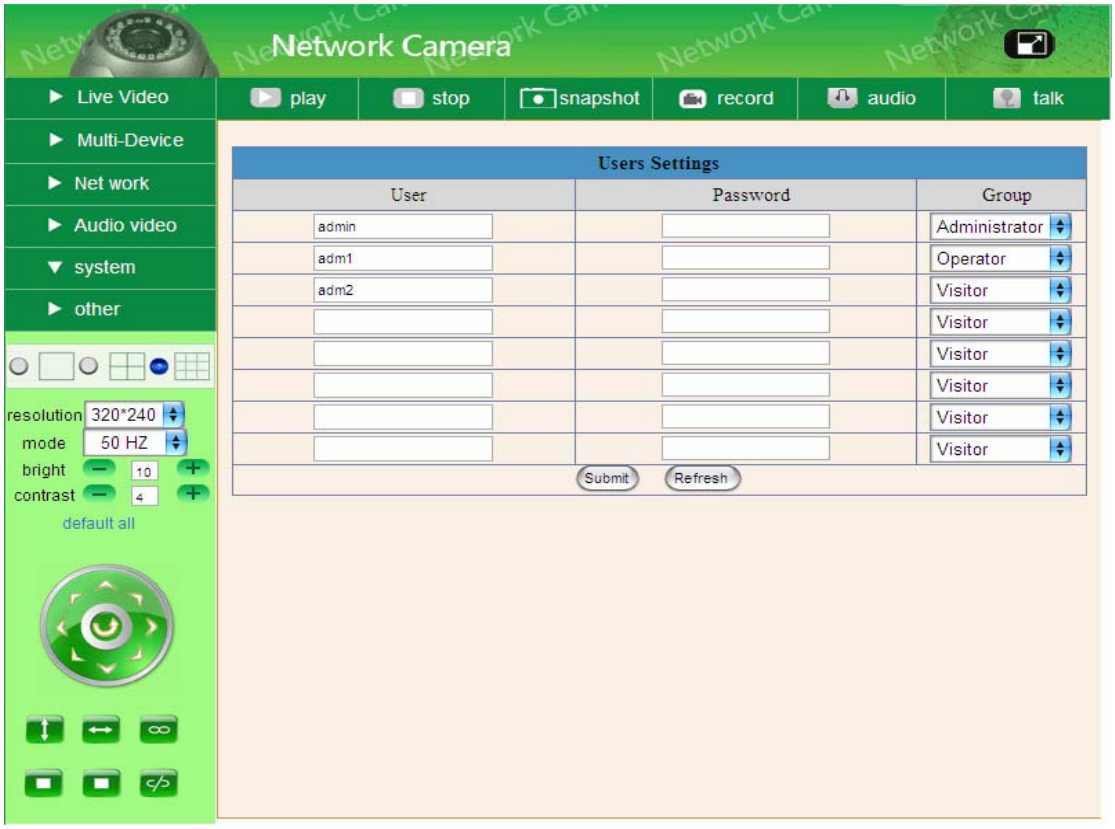
Data &Time Settings page.



- Users Settings

Eight accounts are acceptable for this system. Here the eight users can Configure their user names and password as administrator, Operator or Visitor.

- **Visitor:** In this mode, you can only view.
- **Operator:** You can control the direction of IP Camera and set some parameter.
- **Administrator:** You can setup the advanced configurations of the IP Camera.



HOW TO USE

2.6 Step by step to use

Follow the instructions below to get started after the Camera has been mounted properly. When the IP camera powered on, it will rotate itself and stop to the center.

1) Use Network cable connect IP Camera to LAN.

2) Enter **IP Camera DevFind Tool**

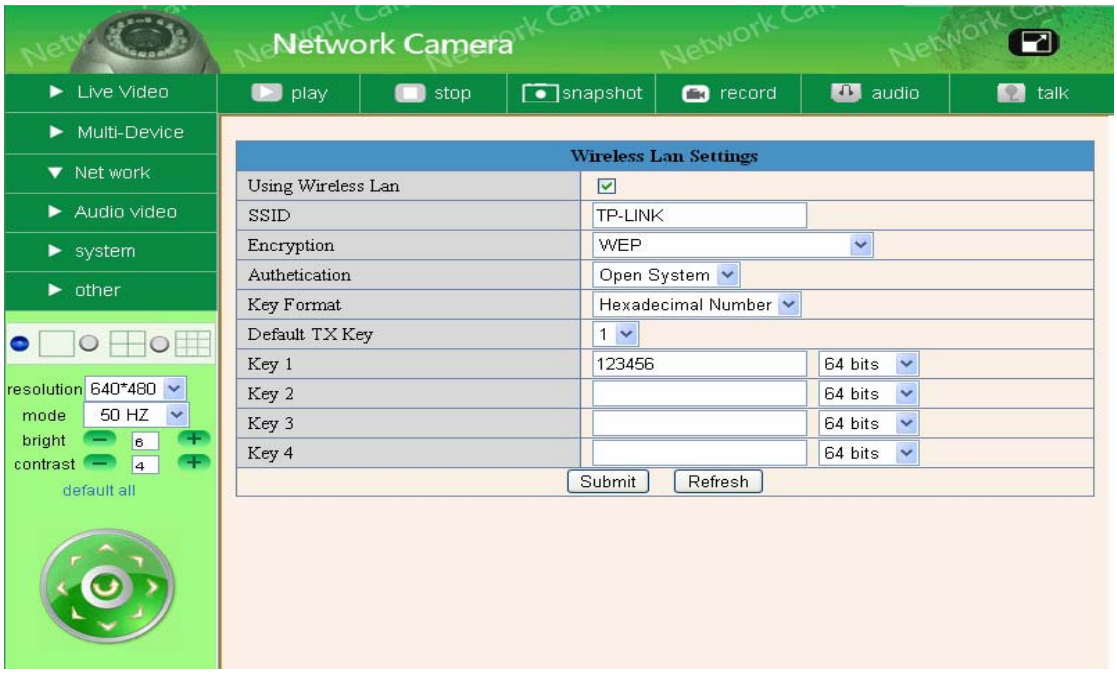
to set the basic configuration,

3) When IP address of the Camera listed in the Result Field of the **IP Camera DevFind Tool,** it means the basic configuration is completed.

4) Set the safety property of IE in the PC when you view it first time,
5) Camera login
6) Now you can use the IP Camera as Visitor, operator or Administration in the LAN.

2.7 Setting Wi-Fi of IP Camera

1) To use the wireless function of the IP Camera, a wireless router like TPLink is required.
2) Enter the wireless router setup page (you may see the wireless router user manual). To Find out the **SSID, Channel, Security Way**, **Authentication Type**, **Encryption.**
3) Enter **Wireless Lan Settings** to input contents got from the wireless router then click **Submit** to reboot the device.



4) Wait at least 30 seconds to unplug the Ethernet cable, then unplug the power supply.
5) Plug the power supply making sure that the Ethernet is not connected.
6) After around 30 seconds, if the LED blinks, it indicates it is working in WIFI mode.
7) Camera login.

4 APPENDIXES

4.1 Frequently Asked Questions

Note: Any questions you would meet, please check Network connections firstly.
Check the working status revealed by the indicators on the network server, hub, exchange and network card. If abnormal, check the network connections.

4.1.1 I have forgotten the administrator username and/or password.

To reset the administrator username and password, Press and hold down the RESET BUTTON fur 5 seconds. Release the power button and the username and password will be reset back to the factory default administrator username and password.
Default administrator username: **admin**
Default administrator No password

4.1.2 IP Address configuration

Check whether IP address of the IP camera server shares the same subnet as your work station: Click My Computer >Control Panel> Network & Dial-up Connections > LAN > Attributes >Internet Protocols (TCP/IP), and check IP Address and Subnet Mask. Make sure they are in the same subnet when configuring IP Camera IP address manually.
Unable to access IP Camera via web browser

4.1.3 Network Configuration

Double Check to ensure that your HTTP server software is configured and run properly. If you're running any firewall software, make sure it's allowing inbound connections to port 80, also, if you happen to be using a cable/DSL router, make sure you've set up port forwarding properly. (Consult your router's documentation for more information). If none of these seem to be the problem, it's documentation for more information). If none of these seem to be the problem, it's also possible that your ISP is blocking inbound connections to port 80-many IPSS have done this because of internet worms such as Code Red, If this is the case, you'll have to setup your HTTP server on an alternate port (such as 8080).

4.1.4 No pictures Problems with ActiveX Controller

If Internet Explorer is used as WEB Browser, download ActiveX controller and set the safety property of IE in the PC when you view it first time:
"IE" browser > "Tool" > "Internet Proper" > "Security"> "Custom Level" > "ActiveX control and Plug-ins" three options of front should be set to be "Enable", The ActiceX programs read by the computer will be stored, as follows:

Enable: Download unsigned ActiveX controls
Enable: Initialize and script ActiveX controls not marked as safe
Enable: Run ActiveX controls and plug-ins

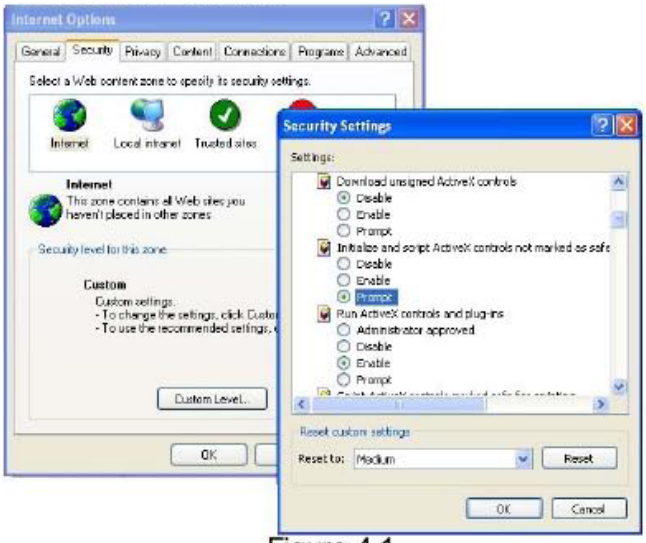


Figure 4.1

4.1.5 Problems with network bandwidth

The image frame rate is subjected to the following factors:

1, network bandwidth;

2, PC performance, network environment and display preference setting (brightness, theme, etc);

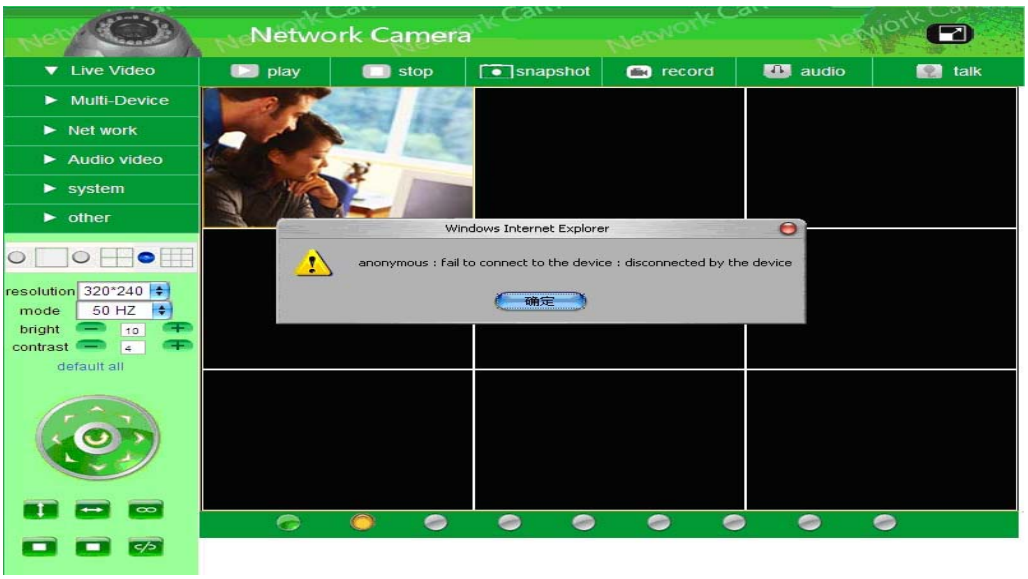
3, the number of visitors (Too many visitors will slow down the image frame rate.): 4, choice of switch or hub (Use a switch for multiple IP Camera Servers rather than a HUB,).

4.1.6 Why pop-up the prompt" Fail to connect to the device…"?

This prompt only appeared in the case of using multiple cameras.

Enter the **Multi-Device Settings** page(login as administrator) to check the Device

When you set multiple cameras, the color changed to yellow.



4.2 Default Parameters

Default network Parameters
IP address: dynamic obtain
DHCP: Disabled
DDNS: Disabled
Username and password
Default administrator username: **admin**
Default administrator No password

4.3 Specification

Item	**Specifications**
Video Compression	MJPEG video compression
Video Resolution Adjustment	640*480(VGA), 320*240(QVGA)
Video Parameters	Brightness, contrast
Video Frame	30 frame/sec(QVGA), 30 frame/sec(VGA)
Communication interface	One 10M/100Madaptive Ethernet interface
Wi-Fi Module	Supporting IEEE802.11b/g
Power Supply	DC 5V
Maximum Power	< 5W
Operating Temperature	0℃～+55℃ /+14℉～ +122℉
Storage Temperature	-20℃～+70℃/ -44℉～+158℉
Operating Humidity	10～85%
System Requirements	Microsoft Windows 98/ME/2000/XP/Vista
Explorer	Microsoft Internet Explorer 5.0 or above

5 OBTAINING TECHNICAL SUPPORT

While we hope your experience with the IP CAMERA network camera is enjoyable and easy to use, you may experience some issues or have some questions that this User's Guide has not answered.
TO obtain the latest information and support for your Observer network camera, please visit our webpage for additional FAQ'S and troubleshooting tips.